

George Washington Bridge

Rehabilitation of Palisades Interstate Parkway
Helix – Planning Authorization

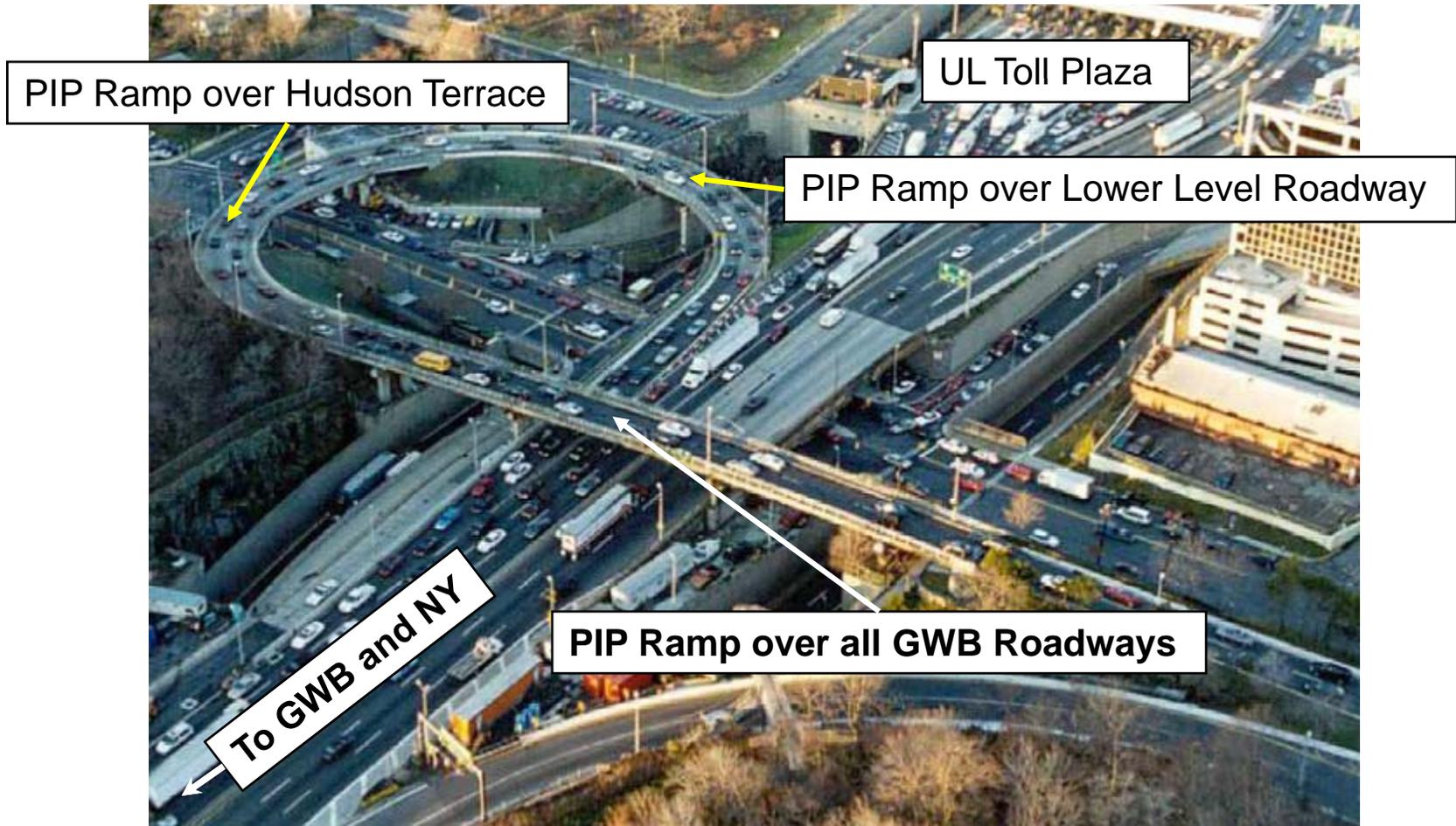
Committee on Capital Programs / Agency Planning

September 22, 2011

Background

- Comprised of three multi-span steel framed structures carrying Palisades Interstate Parkway southbound traffic to Upper Level GWB
- Constructed in 1940's, modified in 1950's with the Lower Level Expansion of GWB
- Rehabilitated in 1990's – extended service life of 12-15 years
- Priority and immediate repairs performed

Location Plan



Typical Conditions Requiring Maintenance



Need For Project

- Structures are approaching end of useful life
- Helix crosses over all lanes of GWB – need to maintain / renew assets
- Structures not designed for seismic event
- No alternative access for patrons approaching GWB from Palisades Interstate Parkway without use of local streets
- Assessment of current conditions required to determine cost effectiveness to repair, rehabilitate or replace existing structures based on Life Cycle Cost Analysis

Recommendation

Planning Authorization \$ 2.25 Million

- Perform hands-on, in-depth inspection of existing structures
- Seismic evaluation of existing structures
- Life Cycle Cost Analysis for alternatives
- Complete Planning by early 2013
- Economic Impact upon Project implementation:
 - 200 jobs
 - \$12.3 million in wages
 - \$61 million in economic activity